



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/286,133	04/01/1999	STEWART SABADELL	49658-024	4582

29989 7590 10/23/2002

HICKMAN PALERMO TRUONG & BECKER, LLP  
1600 WILLOW STREET  
SAN JOSE, CA 95125

EXAMINER

SHARON, AYAL I

ART UNIT

PAPER NUMBER

2123

DATE MAILED: 10/23/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Intervi w Summary**

Application No.

09/286,133

Applicant(s)

SABADELL, STEWART

Examin r

Ayal I. Sharon

Art Unit

2123

All participants (applicant, applicant's representative, PTO personnel):

(1) Ayal I. Sharon.

(3) John D. Henkhaus, Reg. No. 42,656.

(2) \_\_\_\_\_

(4) \_\_\_\_\_

Date of Interview: 16 October 2002 .

Type: a) ☒ Telephonic b) ☐ Video Conference

c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description: \_\_\_\_\_ .

Claim(s) discussed: N/A .

Identification of prior art discussed: N/A .

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative was informed that the request for an After-Final Interview, on the basis of the attached proposed agenda, was denied on the grounds that the prosecution was closed for this case. .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☒ It is not necessary for applicant to provide a separate record of the substance of the interview(if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

*RUSSELL FREJD*  
RUSSELL FREJD  
PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case unless both applicant and examiner agree that the examiner will record same. Where the examiner agrees to record the substance of the interview, or when it is adequately recorded on the Form or in an attachment to the Form, the examiner should check the appropriate box at the bottom of the Form which informs the applicant that the submission of a separate record of the substance of the interview as a supplement to the Form is not required.

It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

3

**INFORMAL COMMUNICATIONS**

HICKMAN PALERMO TRUONG & BECKER LLP  
1600 WILLOW STREET  
SAN JOSE, CALIFORNIA 95125-5106  
TEL: (408) 414-1080  
FAX: (408) 414-1076

**FACSIMILE TRANSMITTAL SHEET**

TO:	Examiner Ayal I. Sharon	FROM:	John D. Henkhaus, Reg. No. 42,656
COMPANY:	USPTO, Art Unit 2123	DATE:	OCTOBER 3, 2002
FAX NUMBER:	(703) 746-7240	TOTAL NO. OF PAGES INCLUDING COVER:	10
PHONE NUMBER:	(703) 306-0297	SENDER'S REFERENCE NUMBER:	09/286,133
RE:	PROPOSED AGENDA FOR INTERVIEW	YOUR REFERENCE NUMBER:	49658-0024

☒ URGENT    ☐ FOR REVIEW    ☐ PLEASE COMMENT    ☐ PLEASE REPLY    ☐ PLEASE RECYCLE

**NOTES/COMMENTS:**

**PLEASE DELIVER THE ATTACHED PROPOSED AGENDA FOR INTERVIEW TO  
EXAMINER SHARON IN GAU 2123**

Clare Finney, Legal Secretary  
(408) 414-1211

Examiner Sharon:

The attached Proposed Agenda for Interview and Proposed Amendment to Claims is submitted for your review.

John D. Henkhaus  
Attorney of Record, Reg. No. 42,656

**THE INFORMATION CONTAINED IN THIS FACSIMILE IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENT(S) NAMED ABOVE. THIS MESSAGE MAY BE AN ATTORNEY-CLIENT COMMUNICATION, AND AS SUCH IS PRIVILEGED AND CONFIDENTIAL. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR AN AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THIS DOCUMENT IN ERROR AND THAT ANY REVIEW, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE**

49658-0024

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Confirmation No. 4582
STEWART SABADELL, et al	)	
Serial No.:	)	Art Unit: 2123
09/286,133	)	
Filing Date:	)	Examiner: Ayal I. Sharon
April 1, 1999	)	
	)	
For: TRANSLATING OBJECTS BETWEEN SOFTWARE APPLICATIONS WHICH		
EMPLOY DIFFERENT DATA FORMATS		

**PROPOSED AGENDA FOR INTERVIEW**

Sir:

An agenda for a telephonic interview for the referenced application is presented below.

In addition, an INFORMAL "Proposed Amendment to Claims" is attached.

1. Enablement Rejections (Claims 1-13):

Discuss Proposed Claim Amendments.

Discuss overview of invention, if necessary.

2. 102(e) Rejections (Claims 14-17):

Discuss removal of reference as prior art.

Discuss distinctions between reference and claims, if necessary.

3. 103(a) Rejections (Claims 1-13):

Discuss distinctions between references and claims, in view of examiner's statements in response to applicant's Remarks.

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

1 1. (Amended) A method for translating objects between applications that use  
2 different formats, the method comprising:  
3 [generating a source object in a source application;  
4 translating the source object to a target object in a target application, wherein the  
5 target application has a format that is not supported by the source  
6 application;]  
7 performing a first modification to [the] a target object in a target application in  
8 response to user interaction with said target application, wherein said  
9 target object was translated from a source object in a source application,  
10 wherein said target application has a format that is not supported by said  
11 source application, and wherein said first modification is not supported by  
12 said source application;  
13 performing a second modification to said source object in said source application  
14 in response to user interaction with said source application; and  
15 revising, via a linking mechanism, said target object in said target application to  
16 reflect said second modification to said source object without removing  
17 said first modification to said target object.

1 2. (Not Amended) The method of Claim 1, wherein the step of performing the first  
2 modification to the target object includes the step of performing a type of  
3 modification that cannot be performed using said source application.

1 3. (Amended) The method of Claim 1, wherein:  
2 the source application is a Computer Aided Design (CAD) application;  
3 the target application is a rendering application;  
4 the source object is a CAD object;

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

5     the target object is a rendering object; and wherein  
6     [the step of generating the source object in the source application includes the step  
7         of generating a CAD object in said CAD application;  
8     the step of translating the source object to the target object includes the step of  
9         translating the CAD object into a rendering object;]  
10    the step of performing the first modification to the target object includes the step  
11         of performing a modification to the rendering object;  
12    the step of performing a second modification to said source object includes the  
13         step of performing a modification to the CAD object; and  
14    the step of revising said target object includes the step of revising the rendering  
15         object to reflect the second modification that was made to the CAD object  
16         without undoing the first modification to the rendering object.

1    4.     (Amended) The method of Claim 1; wherein:  
2         the source object is associated with a source geometry and one or more source  
3             properties[;],the method further comprising the steps of:  
4         [the step of translating the source object to the target object includes the steps of]  
5             translating the source geometry to a target geometry; and  
6             translating the one or more source properties to one or more target  
7             properties.

1    5.     (Amended) The method of Claim 1, [wherein the step of translating the source  
2         object to the target object includes] further comprising the step of:  
3         building a mapping based on a translation between the source object and the  
4         target object.

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

1 6. (Not Amended) The method of Claim 5, wherein the step of building the mapping  
2 includes the step of:  
3 constructing a hierarchical tree structure, wherein the hierarchical tree structure is  
4 based on one or more properties associated with the source object.

1 7. (Not Amended) The method of Claim 6, wherein  
2 the source object is associated with a source geometry and one or more source  
3 properties; and  
4 the step of constructing the hierarchical tree structure includes the steps of:  
5 generating a set of tree objects, wherein the set of tree objects include one  
6 or more filter objects that are based on said source properties;  
7 translating the source geometry to a target geometry; and  
8 inserting said target geometry into said hierarchical tree structure based  
9 said one or more filter objects.

1 8. (Amended) The method of Claim 7, wherein the step of generating the set of tree  
2 objects includes the steps of:  
3 translating the one or more source properties to one or more target properties;  
4 generating one or more modifier stacks, wherein the one or more modifier stacks  
5 are based on the one or more target properties; and  
6 [inserting] linking the one or more modifier stacks into the hierarchical tree  
7 structure based on one or more collection objects of the set of tree objects.

1 9. (Amended) A method for translating objects between applications that use  
2 different formats, the method comprising:  
3 [generating a first object in a first application;



**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

4 translating the first object to a second object in a second application, wherein the  
5 second object has a format that is not supported by the first application;]  
6 performing a first modification to [the] a second object in [the] a second  
7 application in response to user interaction with said second application,  
8 wherein said second object was translated from a first object in a first  
9 application;  
10 performing a second modification to said first object in said first application in  
11 response to a user interaction with said first application; and  
12 performing a third modification to the second object, via a linking mechanism,  
13 based on data generated in response to said second modification to said  
14 first object, wherein said third modification causes said second object to  
15 reflect the second modification that was made to the first object without  
16 undoing the first modification to the second object.

1 10. (Not Amended) The method of Claim 9, wherein the step of performing the first  
2 modification to the second object includes the step of performing a type of  
3 modification that cannot be performed using said first application.

1 11. (Amended) The method of Claim 9, wherein:  
2 the first application is a Computer Aided Design (CAD) application;  
3 the first object is a CAD object;  
4 the second object is a rendering object;  
5 the second application is a rendering application; and wherein  
6 [the step of generating the first object in the first application includes the step of  
7 generating a CAD object in said CAD application;

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

8 the step of translating the first object to the second object includes the step of  
9 translating the CAD object into a rendering object;]  
10 the step of performing the first modification to the second object includes the step  
11 of performing a modification to the rendering object that was translated  
12 from the CAD object;  
13 the step of performing a second modification to said first object includes the step  
14 of performing a modification to the CAD object; and  
15 the step of performing the third modification to the second object includes the  
16 step of performing a third modification to the rendering object to reflect  
17 the second modification that was made to the CAD object without undoing  
18 the first modification to the rendering object.

1 12. (Amended) A computer-readable medium carrying one or more sequences of  
2 instructions for translating objects between applications that use different formats,  
3 wherein execution of the one or more sequences of instructions by one or more  
4 processors causes the one or more processors to perform the steps of:  
5 [generating a source object in a source application;  
6 translating the source object to a target object in a target application, wherein the  
7 target application has a format that is not supported by the source  
8 application;]  
9 performing a first modification to [the] a target object in a target application in  
10 response to user interaction with said target application, wherein said  
11 target object was translated from a source object in a source application,  
12 wherein said target application has a format that is not supported by said  
13 source application, and wherein said first modification is not supported by  
14 said source application;

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

15 performing a second modification to said source object in said source application  
16 in response to user interaction with said source application; and  
17 revising, via a linking mechanism, said target object in said target application to  
18 reflect said second modification to said source object without removing  
19 said first modification to said target object.

1 13. (Amended) A system for translating objects between applications that use different  
2 formats, the system comprising:  
3 a memory;  
4 one or more processors coupled to the memory; and  
5 a set of computer instructions contained in the memory, the set of computer instruction  
6 including computer instructions which when executed by the one or more  
7 processors, cause the one or more processors to perform the steps of:  
8 [generating a source object in a source application;  
9 translating the source object to a target object in a target application, wherein the  
10 target application has a format that is not supported by the source  
11 application;]  
12 performing a first modification to [the] a target object in a target application in  
13 response to user interaction with said target application, wherein said  
14 target object was translated from a source object in a source application,  
15 wherein said target application has a format that is not supported by said  
16 source application, and wherein said first modification is not supported  
17 by said source application;  
18 performing a second modification to said source object in said source  
19 application in response to user interaction with said source application;  
20 and

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

21           revising, via a linking mechanism, said target object in said target application to  
22           reflect said second modification to said source object without removing  
23           said first modification to said target object.

1   14.   (Not Amended) A method for translating objects between applications that use different  
2       formats, the method comprising:  
3       generating a hierarchical structure for organizing one or more properties of a source  
4       object being translated to a target object, wherein each level of the hierarchical  
5       structure is associated with a property of an object and wherein the source object  
6       is associated with a source application and the target object is associated with a  
7       target application;  
8       using one or more filter objects to determine a location, within the hierarchical  
9       structure, to map the one or more properties of the source object; and  
10      storing the hierarchical structure in a target file, wherein the target file is used by the  
11      second application to construct the target object.

1   15.   (Not Amended) The method of claim 14, wherein each of the one or more filter objects  
2       is associated with a respective level of the hierarchical structure and associated with one  
3       or more collection objects of a set of collection objects, and wherein the step of using  
4       one or more filter objects comprises:  
5       determining, for a property of the one or more properties of the source object, a  
6       property value from a respective filter object that is associated with the property;  
7       comparing the property value with a respective collection value associated with each of  
8       one or more respective collection objects of the set of collection objects that are  
9       associated with the respective filter object; and  
10      determining a level within the hierarchical structure to map the one or more properties  
11      of the source object, based on the comparing the property value with a  
12      respective collection value.

**INFORMAL (DO NOT ENTER)**  
**PROPOSED Amendment to Claims**  
**09/286,133**

1 16. (Not Amended) The method of claim 14, further comprising:  
2 upon a modification of a property of the target object in the target application,  
3 generating a modifier stack for storing the modification, wherein the property of  
4 the target object is associated with a respective property of the source object;  
5 linking the modifier stack with a collection object of a set of collection objects, wherein  
6 each collection object of the set of collection objects is associated with a  
7 respective level of the hierarchical structure; and  
8 applying the modification of the modifier stack to the target file via the linked collection  
9 object to construct the target object.

1 17. (Not Amended) The method of claim 16, wherein each of the one or more filter  
2 objects is associated with a respective level of the hierarchical structure,  
3 comprising:  
4 upon a modification of a property of the source object in the source application,  
5 using a filter object of the one or more filter objects to determine a level  
6 within the hierarchical structure to store the modification;  
7 applying the modification of the property of the source object to the target file that  
8 includes the stored hierarchical structure, at the determined level within  
9 the hierarchical structure; and  
10 applying the modification of the modifier stack to the target file to construct the  
11 target object.